

## SEQUENCE LISTING

<110> Gross, Hans Joachim  
 Shmidt, Werner  
 Reuter, Tanja  
 Hoehn, Holger  
 Heterich, Sabine

<120> cDNA Sequence of an Interactor FANCIPl  
 of the Fanconi Anaemia Protein of Complementation Group A

<130> 50125/026001

<140> US 09/890,689

<141> 2001-08-02

<150> PCT/EP00/00506

<151> 2000-01-24

<150> DE 199 04 650.6

<151> 1999-02-05

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1553

<212> DNA

<213> Homo sapiens

<400> 1

```

aatgtgcagg attaacctcc atttcagcta atcatgggag agattaaagt ctctcctgat 60
tataactggt ttagaggtac agttcccctt aaaaagatta ttgtggatga tgatgacagt 120
aagatagggt cgctctatga cgcgggcccc cgaagtatca ggtgtcctct catattcctg 180
ccccctgtca gtggaactgc agatgtcttt ttccggcaga ttttggctct gactggatgg 240
ggttaccggg ttatcgcttt gcagtatcca gtttattggg accatctcga gttctgtgat 300
ggattcagaa aactttttaga ccattttaca ttggataaag ttcattcttt tggcgcttct 360
ttgggagggt ttttggccca gaaatttgct gaatacactc acaaactctc tagagtccat 420
tccctaattc tctgcaattc cttcagtgac acctctatct tcaaccaaac ttggactgca 480
aacagctttt ggctgatgcc tgcatttatg ctcaaaaaaa tagttcttgg aaatttttca 540
tctggccccg tggaccctat gatggctgat gccattgatt tcatggtaga caggctagaa 600
agtttgggtc agagtgaact ggcttcaaga cttaccttga attgtcaaaa ttcttatgtg 660
gaacctcata aaattcggga catacctgta actattatgg atgtgtttga tcagagtgcg 720
ctttcaactg aagctaaaga agaaatgtac aagctgtatc ctaatgcccc aagagctcat 780
ctgaaaccag gaggcaattt cccatacctg tgcagaagtg cagaggtaa tctttatgta 840
cagatacatt tgctgcaatt ccattggaacc aaatacgcgg ccattgacct atcaatggtc 900
agtgccgagg agcttgaggt gcagaaaggc agccttggca tcagccagga ggagcagtag 960
tgtgtctctc gctgtcaatg atgagttgac cgggtgtgtt cttgtatagt cagtggcatc 1020
agcacccgtc agccggcctt ttccttcagg ttcgtcaggc tcaccggttc tcaactgtgtc 1080
tgggaagtag gactgatggt catcttcatg acaggcggca tctccactaa gcctgtgtaa 1140
ctgttccctc tttggttttc ttagcttttg aatttgaaga agtacttttg aagactccca 1200
ttttaagaac cgtgcagatt ttgctaccaa aagtcttcac cactgtgttc ttaagtgaat 1260
gttaatttct gaggttggg actttgtggg ggttttttct ttcttttctt ttccattctt 1320
ctttctttct ttttatgttg tttgctgtaa atgctgcaca tccagattgc atatcaggac 1380
attggttatt ttatgctttc ttggatataa ccatgatcag agtgccatgg ccaactaccc 1440
actgtttgct ctctgcaaa tcaactgctt ttaatttaca cttaaacaaa ttgttttgag 1500

```

tgtttagctac tgcctttcta gatattagtc atttgggaata aaaattcaat ttc

1553

<210> 2  
 <211> 308  
 <212> PRT  
 <213> Homo sapiens

<400> 2  
 Met Gly Glu Ile Lys Val Ser Pro Asp Tyr Asn Trp Phe Arg Gly Thr  
 1 5 10 15  
 Val Pro Leu Lys Lys Ile Ile Val Asp Asp Asp Asp Ser Lys Ile Trp  
 20 25 30  
 Ser Leu Tyr Asp Ala Gly Pro Arg Ser Ile Arg Cys Pro Leu Ile Phe  
 35 40 45  
 Leu Pro Pro Val Ser Gly Thr Ala Asp Val Phe Phe Arg Gln Ile Leu  
 50 55 60  
 Ala Leu Thr Gly Trp Gly Tyr Arg Val Ile Ala Leu Gln Tyr Pro Val  
 65 70 75 80  
 Tyr Trp Asp His Leu Glu Phe Cys Asp Gly Phe Arg Lys Leu Leu Asp  
 85 90 95  
 His Leu Gln Leu Asp Lys Val His Leu Phe Gly Ala Ser Leu Gly Gly  
 100 105 110  
 Phe Leu Ala Gln Lys Phe Ala Glu Tyr Thr His Lys Ser Pro Arg Val  
 115 120 125  
 His Ser Leu Ile Leu Cys Asn Ser Phe Ser Asp Thr Ser Ile Phe Asn  
 130 135 140  
 Gln Thr Trp Thr Ala Asn Ser Phe Trp Leu Met Pro Ala Phe Met Leu  
 145 150 155 160  
 Lys Lys Ile Val Leu Gly Asn Phe Ser Ser Gly Pro Val Asp Pro Met  
 165 170 175  
 Met Ala Asp Ala Ile Asp Phe Met Val Asp Arg Leu Glu Ser Leu Gly  
 180 185 190  
 Gln Ser Glu Leu Ala Ser Arg Leu Thr Leu Asn Cys Gln Asn Ser Tyr  
 195 200 205  
 Val Glu Pro His Lys Ile Arg Asp Ile Pro Val Thr Ile Met Asp Val  
 210 215 220  
 Phe Asp Gln Ser Ala Leu Ser Thr Glu Ala Lys Glu Glu Met Tyr Lys  
 225 230 235 240  
 Leu Tyr Pro Asn Ala Arg Arg Ala His Leu Lys Pro Gly Gly Asn Phe  
 245 250 255  
 Pro Tyr Leu Cys Arg Ser Ala Glu Val Asn Leu Tyr Val Gln Ile His  
 260 265 270  
 Leu Leu Gln Phe His Gly Thr Lys Tyr Ala Ala Ile Asp Pro Ser Met  
 275 280 285  
 Val Ser Ala Glu Glu Leu Glu Val Gln Lys Gly Ser Leu Gly Ile Ser  
 290 295 300  
 Gln Glu Glu Gln  
 305

<210> 3  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer

<400> 3

accagcctct tgctgagtgg agatg

25

<210> 4

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 4

gacaagccga caaccttgat tggag

25

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 5

gggggcagga atatgagagg

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer

<400> 6

tttaagggga actgtacctc

20

<210> 7

<211> 6

<212> DNA

<213> Homo sapiens

<400> 7

aataaa

6